The Locksmith's Lock©



Commercial Security Products

2012 SERVICE MANUAL

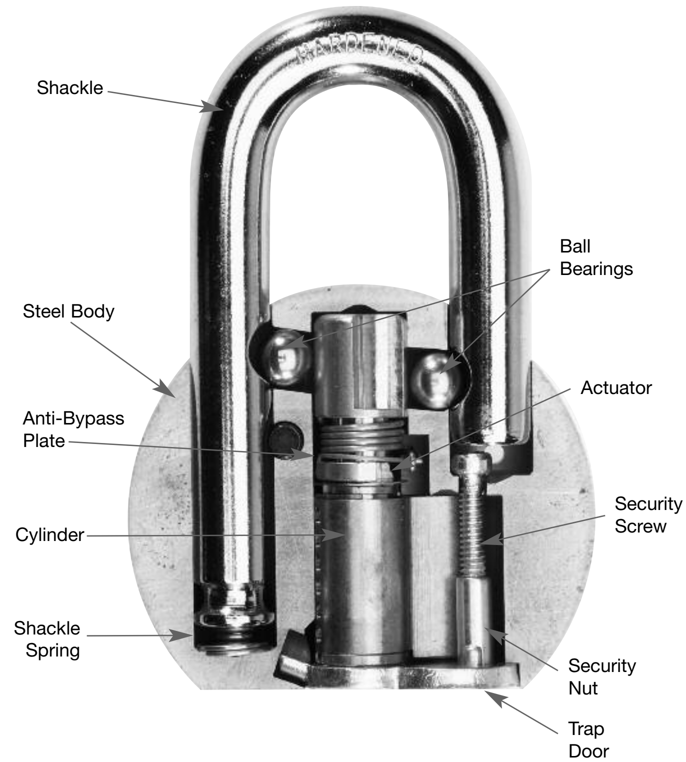
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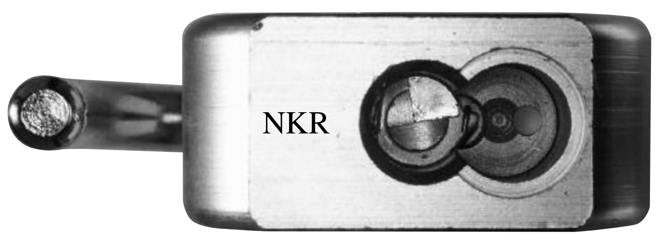
Disassembly

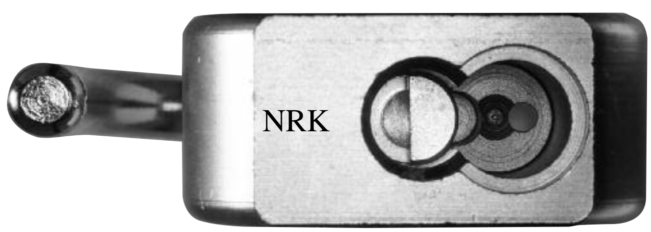
- Unlock shackle
- Use a Phillips screwdriver to remove security screw
- Remove security nut and trap door
- Remove cylinder and anti-bypass plate
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle retaining screw, (APKG4765010)
- Remove shackle and spring



Assembly

- Insert shackle spring and shackle
- Insert and tighten shackle retaining screw
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder and rotate clockwise
- Insert trap door
- Insert security nut and screw
- Tighten security screw
- Check operation





Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A700, A700WO, A706	7/16"	1-1/16"	APKG1582940	APKG1612010	APKG2029010	APKG2084090	APKG1807020
A702, A702WO (zinc)	7/16"	1-1/16"	APKG1582950	APKG1612010	APKG2029010	APKG2084090	APKG1807020
A701, A701WO, A707	7/16"	2"	APKG1582960	APKG1612010	APKG2029010	APKG2084090	APKG1807020
A703, A703WO (zinc)	7/16"	2"	APKG1582970	APKG1612010	APKG2029010	APKG2084090	APKG1807020

For Quantity Content and Ordering Information See the Price Book
For Trap Door Part Numbers, See Page 32

American Lock Series A748

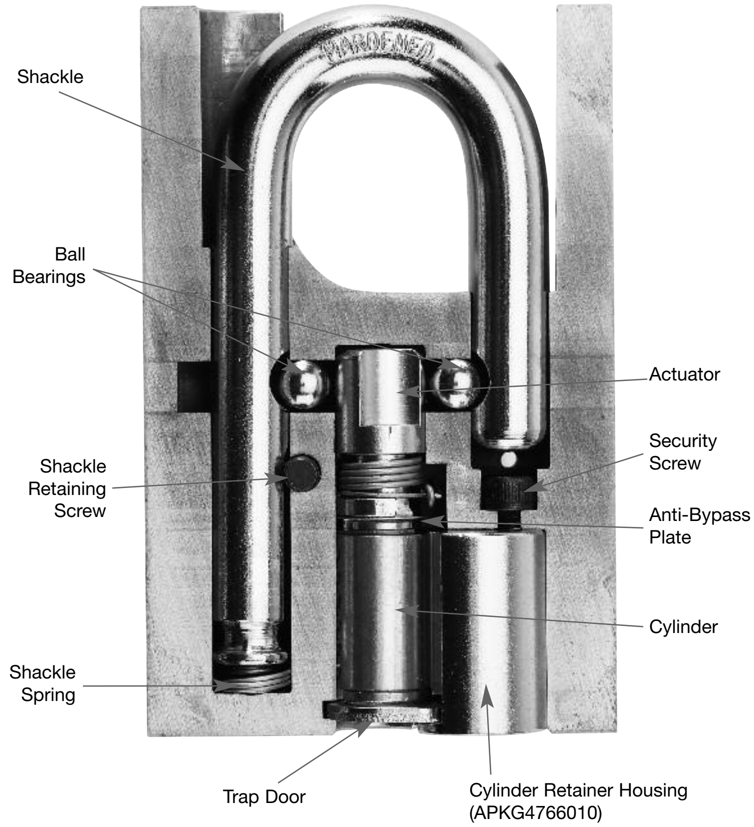
Disassembly

Disassembly

- Unlock shackle
- Use a 5/32" hex wrench to remove security screw
- Remove cylinder retaining housing
- Remove trap door, cylinder and anti-bypass plate
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove 3/32" hex shackle retaining screw
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert and tighten shackle retaining screw
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder and rotate clockwise
- Insert trap door
- Insert cylinder retainer housing
- Insert security screw
- Tighten security screw
- Check operation







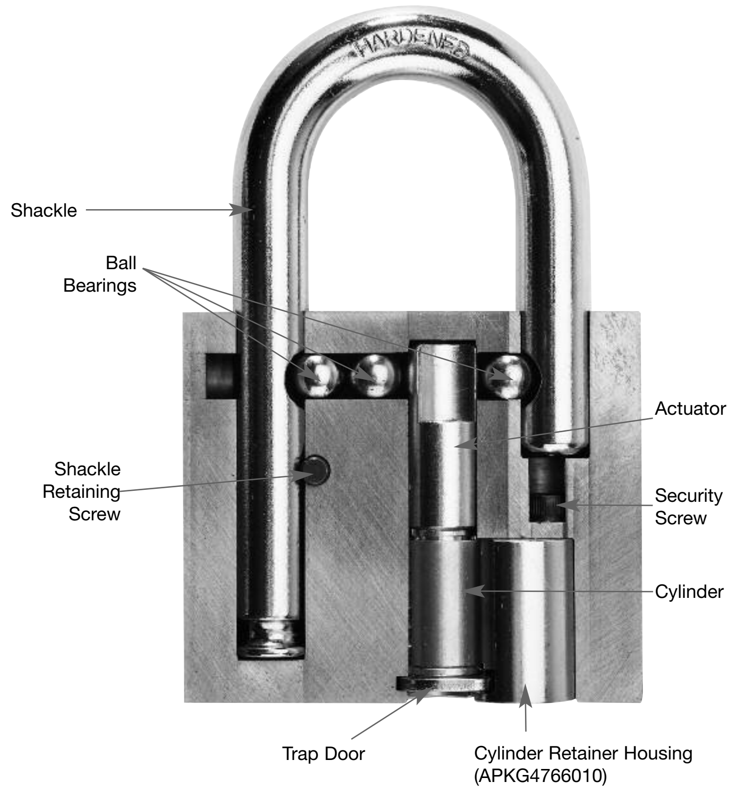
Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A748	7/16"	1-1/16"	APKG1583290	APKG1612010	APKG1188300	APKG0000274	APKG1807020

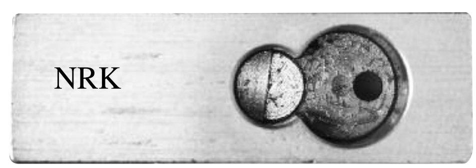
For Quantity Content and Ordering Information See the Price Book
For Trap Door Part Numbers, see page 32

American Lock Series A780 & A790

Disassembly

- Unlock shackle
- Use a 5/32" hex wrench to remove security screw
- Relock shackle: remove key
- Remove cylinder retaining housing
- Remove trap door and cylinder
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle 1/8" hex retaining screw
- Remove shackle





Assembly

- Insert shackle
- Insert and tighten shackle retaining screw
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder and rotate clockwise
- Insert trap door
- Insert cylinder retainer housing
- Insert security screw
- Unlock shackle
- Tighten security screw
- Check operation

For cylinder retainer housing use part number (A3031010).

Model	Shackle			Shackle Screw	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A780	7/16"	1-1/4"	APKG0000273	APKG4765010	N/A	APKG0000274	APKG1807020
A790	1/2"	1-1/2"	APKG1583280	APKG4765010	N/A	APKG0000275	APKG1809010

For Quantity Content and Ordering Information See the Price Book
For Trap Door Part Numbers, see page 32

American Lock Series A1000, A5000 & A6000

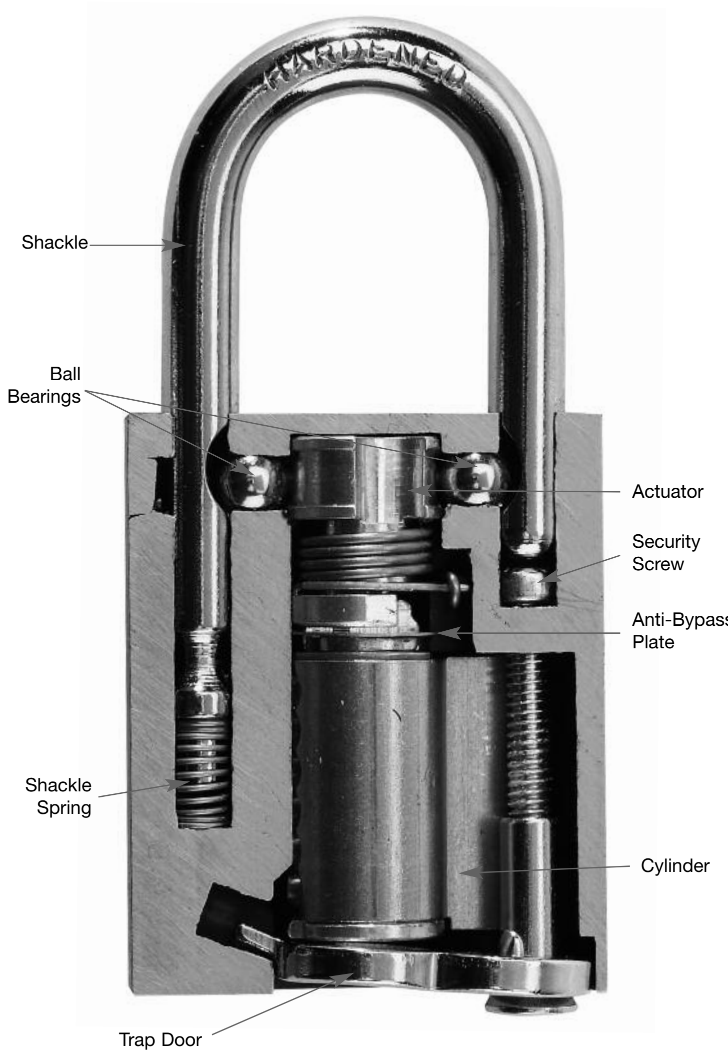
Disassembly

- Unlock shackle
- Use a Phillips screwdriver to remove security screw
- Remove security nut and trap door
- Remove cylinder and anti-bypass plate
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder and rotate clockwise
- Insert trap door
- Insert security nut and screw
- Tighten security screw
- Check operation

(see page 7 for A1000, A5000 and A6000 Specifications Chart)



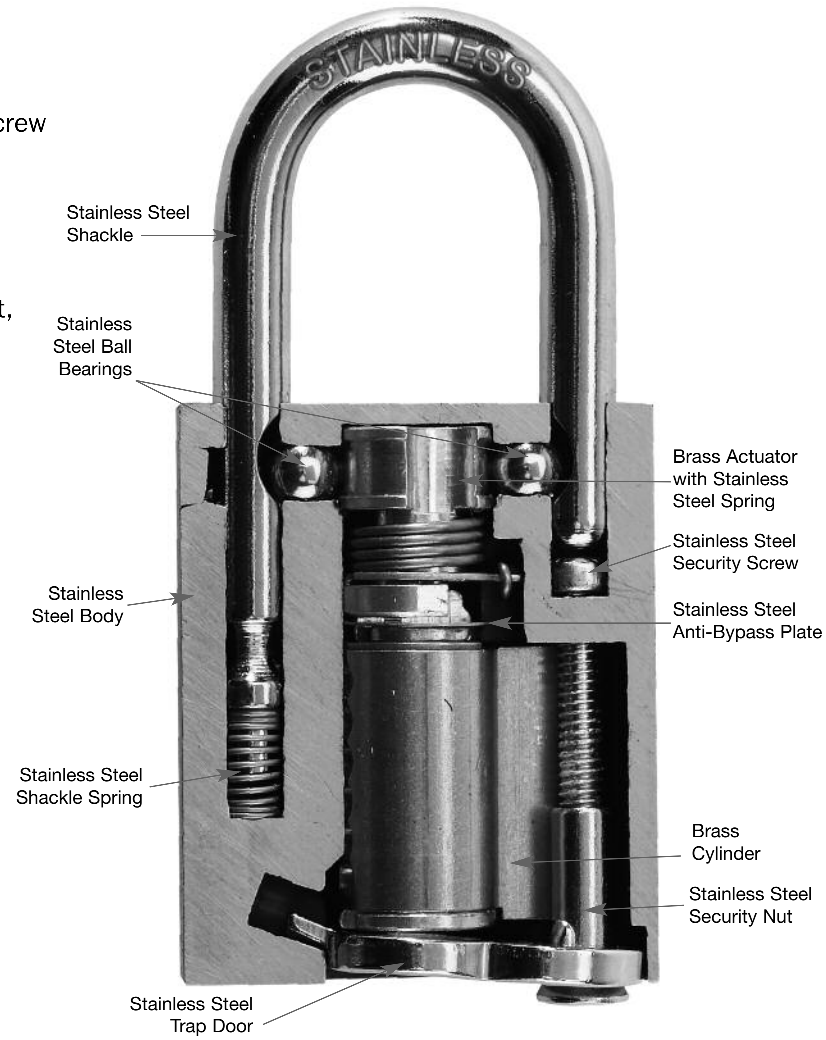




American Lock Stainless Steel Series A5400 & A6400

Disassembly

- Unlock shackle
- Use a Phillips screwdriver to remove security screw
- Remove security nut and trap door
- Remove cylinder and anti-bypass plate
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring



Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder and rotate clockwise
- Insert trap door
- Insert security nut and screw
- Tighten security screw
- Check operation

(see page 7 for A5400 & A6400 Specifications Chart)





American Lock Series A1000, A5000 & A6000 (Continued)

MODEL	SHACKLE DIAMETER	LENGTH	PART NO.	SHACKLE SPRING	ACTUATOR		BALL BEARINGS
					NKR	NRK	
A1105, A1105WO, A1165	1/4"	1"	APKG1582980	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A1106, A1106WO, A1166	1/4"	1-1/2"	APKG1583180	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A1107, A1107WO, A1167	1/4"	3"	APKG1583210	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A1205, A1205WO, A1265	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1205B, A1205BWO, A1265B	5/16"	3/4"	APKG1584030	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1205SS, A1205SSWO, A1265SS	5/16"	1-1/8"	APKG0065435	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A1206, A1206WO, A1266	5/16"	2"	APKG1582290	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1206B, A1206BWO, A1266	5/16"	2"	APKG0056794	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1206SS, A1206SSWO, A1266SS	5/16"	2"	APKG0065436	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A1207, A1207WO, A1267	5/16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1207SS, A1207SSWO, A1267SS	5/16"	3"	APKG0065437	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A1209, A1209WO, A1269	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1209SS, A1209SSWO, A1269SS	5/16"	5"	APKG0065438	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A1305, A1305WO, A1365	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A1305B, A1305BWO, A1365B	3/8"	1-1/8"	APKG0056760	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A1305SS, A1305SSWO, A1365SS	3/8"	1-1/8"	APKG0065432	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A1306, A1306WO, A1366	3/8"	2"	APKG1581570	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A1306SS, A1306SSWO, A1366SS	3/8"	2"	APKG0065433	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A1307, A1307WO, A1367	3/8"	3"	APKG1581590	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A1307SS, A1307SSWO, A1367SS	3/8"	3"	APKG0065434	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5100, A5100WO, A6100	1/4"	1"	APKG1582980	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5101, A5101WO, A6101	1/4"	1-1/2"	APKG1583180	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5102, A5102WO, A6102	1/4"	3"	APKG1583210	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5200, A5200WO, A6200	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5200SS, A5200SSWO, A6200SS	5/16"	1-1/8"	APKG0065435	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5201, A5201WO, A6201	5/16"	2"	APKG1582290	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5201SS, A5201SSWO, A6201SS	5/16"	2"	APKG0065436	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5202, A5202WO, A6202	5/16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5202SS, A5202SSWO, A6202SS	5/16"	3"	APKG0065437	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5205, A5205WO, A6205	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5205SS, A5205SSWO, A6205SS	5/16"	5"	APKG0065438	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5260, A5260WO, A6260	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5260SS, A5260SSWO, A6260SS	3/8"	1-1/8"	APKG0065432	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5261, A5261WO, A6261	3/8"	2"	APKG1581570	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5261SS, A5261SSWO, A6261SS	3/8"	2"	APKG0065433	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5262, A5262WO, A6262	3/8"	3"	APKG1581590	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5262SS, A5262SSWO, A6262SS	3/8"	3"	APKG0065434	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5300, A5300WO, A6300	5/16"	1-1/8"	APKG1582240	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5360, A5360WO, A6360	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5530, A5530WO, A6530	1/4"	1"	APKG1582980	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5530B, A5530BWO, A6530B	1/4"	1"	APKG1583240	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5530, A5530WO, A6531	1/4"	1-1/2"	APKG1583180	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5530, A5530WO, A6532	1/4"	3"	APKG1583210	APKG1613010	APKG1188270	APKG2081160	APKG1806010
A5560, A5560WO, A6560	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5560B, A5560BWO, A6560B	5/16"	3/4"	APKG0056792	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5560SS, A5560SSWO, A6560SS	5/16"	1-1/8"	APKG0065435	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5561, A5561WO, A6561	5/16"	2"	APKG1582290	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5561B, A5561BWO, A6561B	5/16"	2"	APKG0056794	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5561SS, A5561SSWO, A6561SS	5/16"	2"	APKG0065436	APKH0210031	APKG1188270	APKG2081160	APKG1806010
A5562, A5562WO, A6562	5 /16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5562SS, A5562SSWO, A6562SS	5/16"	3"	APKG0065437	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5565, A5565WO, A6565	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5565SS, A5565SSWO, A6565SS	5/16"	5"	APKG0065438	APKG0210031	APKG1188270	APKG2081160	APKG1806010
A5570, A5570WO, A6570	3/8"	1-1/8"	APKG1581550	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5570B, A5570BWO, A6570B	3/8"	1-1/8"	APKG0056760	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5570SS, A5570SSWO, A6570SS	3/8"	1-1/8"	APKG0065432	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5571, A5571WO, A6571	3/8"	2"	APKG1581570	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5571SS, A5571SSWO, A6571SS	3/8"	2"	APKG0065433	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5572, A5572WO, A6572	3/8"	3"	APKG1581590	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5572SS, A5572SSWO, A6572SS	3/8"	3"	APKG0065434	APKG0500023	APKG1188270	APKG2081160	APKG1806010
A5400, A5400WO, A6400	5/16"	1-1/8"	APKG0110032	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5401, A5401WO, A6401	5/16"	2"	APKG0110033	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A5460, A5460WO, A6460	3/8"	1-1/8"	APKG0110029	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A5461, A5461WO, A6461	3/8"	2"	APKG0110030	APKG1611010	APKG1188270	APKG2081160	APKG1806010

For Quantity Content and Ordering Information, See the Price Book
For Trap Door Part Numbers, see page 32

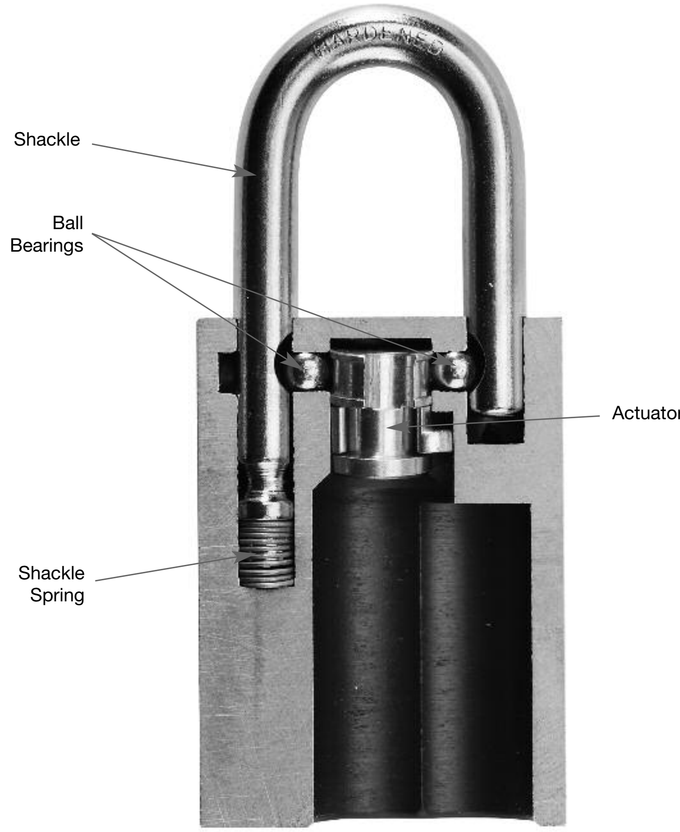
American Lock Series A1405 (for Yale LFIC 1220)

Disassembly

- Unlock shackle
- Use control key to remove LFIC
- Remove driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert driver
- Insert LFIC with control key
- Check operation

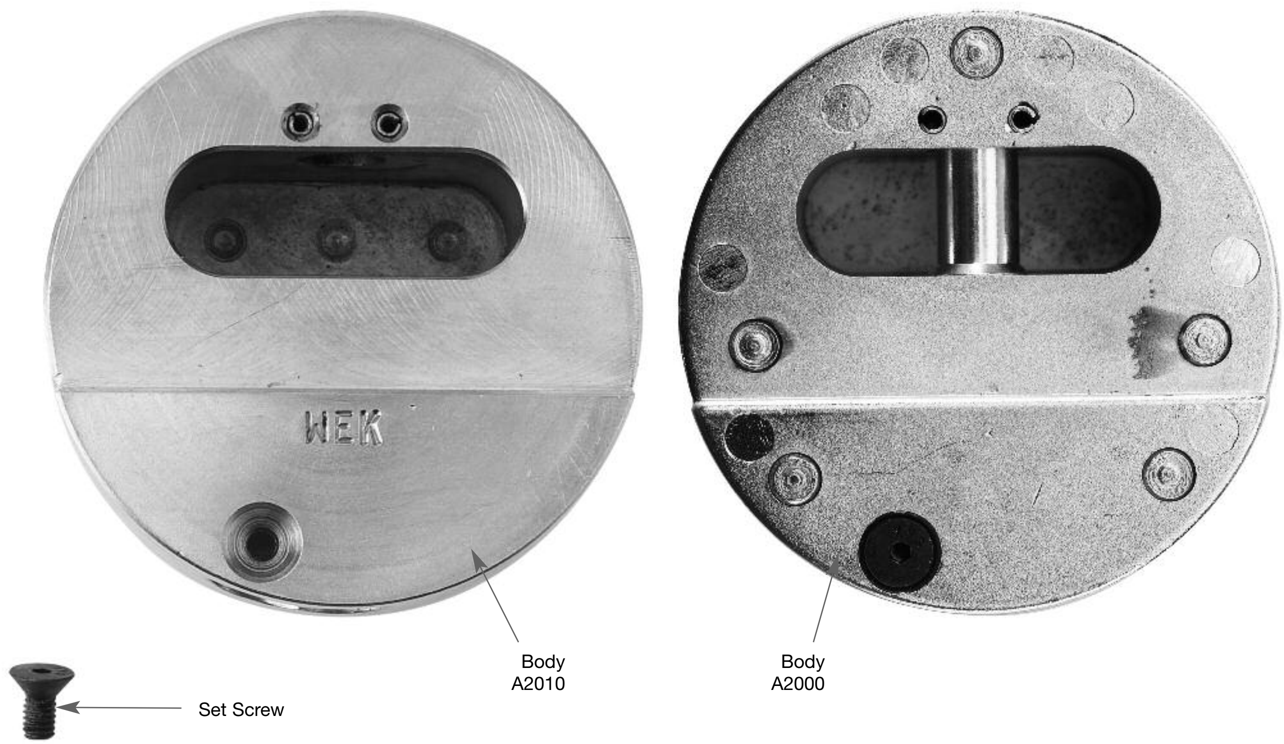




Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A1405	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1406	5/16"	2"	APKG1582290	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1407	5/16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A1409	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010

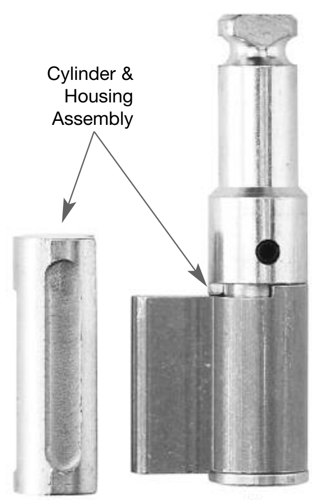
For Quantity Content and Ordering Information, See the Price Book

American Lock Series A2000 & A2010



Disassembly

- Remove 3/32" hex retaining screw
- Remove cylinder assembly
- Remove roll pin
- Rekey as required



Assembly

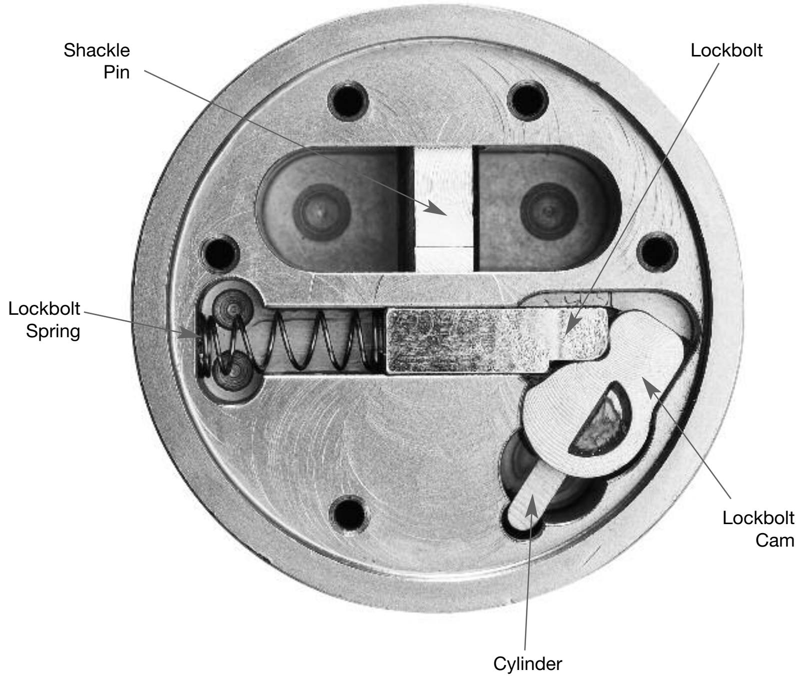
- Insert roll pin
- Insert cylinder assembly and lock into place
- Replace retaining screw

Part number	Description
APT2001	6 pin cylinder and shackle assembly
APT2001U	Uncombinated 6 pin cylinder and shackle assembly
APKG0000220	Retaining screw
APKG0000431	A2000 and A2000WO cylinder housing
APKG3023010	A2010 and A2010WO cylinder housing

American Lock Series A2500

Disassembly

- Remove 3/32" hex cover plate screws and cover plate
- Remove lockbolt spring
- Remove cam
- Remove cylinder assembly and sleeve
- Remove lockbolt
- Remove shackle pin and spring



Assembly

- Insert shackle pin and spring
- Insert lockbolt
- Insert cylinder assembly and sleeve
- Insert cam
- Insert lockbolt spring
- Replace cover plate
- Replace and tighten cover plate screws

Part number	Description
APTC12S	5 pin cylinder assembly with stainless steel pins
APTC14S	6 pin cylinder assembly with stainless steel pins
APKG0001583	Lockbolt cam
APKG0001584	Lockbolt
APKG0001585	Shackle pin
APKG0001586	Hardened cylinder cover
APKG0001587	Cylinder sleeve
APKG0001588	Cover plate
APKG0001589	Lockbolt spring
APKG0001590	Shackle spring
APKG0001591	Cover plate screws

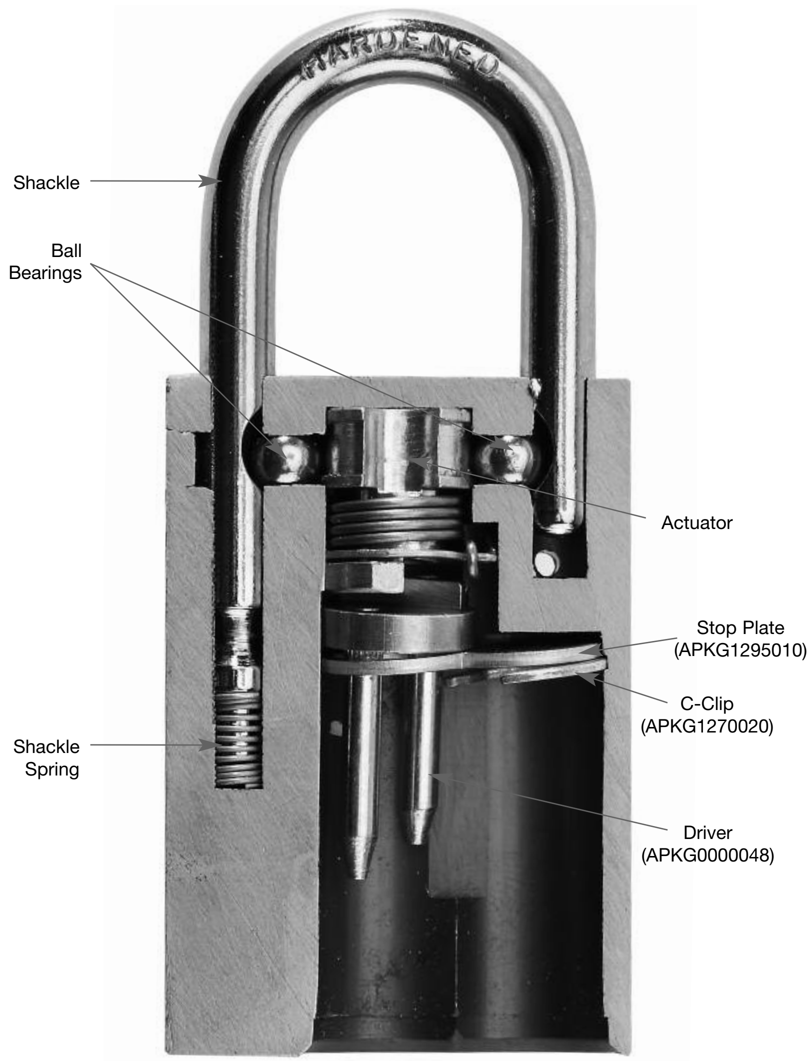
Series A3100, A3200, A3500 for SFIC

Disassembly

- Unlock shackle
- Use control key to remove SFIC
- Remove C clip and stop plate
- Remove driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Insert driver, stop plate, (with ‘T’ up), and C clip
- Check operation with follower tool
- Insert SFIC with control key
- Check operation



Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
3105	1/4"	1"	APKG1582980	APKG1613010	APKG1188270	APKG2081160	APKG1806010
3106	1/4"	1-1/2"	APKG1583180	APKG1613010	APKG1188270	APKG2081160	APKG1806010
3107	1/4"	3"	APKG1583210	APKG1613010	APKG1188270	APKG2081160	APKG1806010
3260, 3570	3/8"	1-1/8"	APKG1581550	APKG1601010	APKG1188270	APKG2081160	APKG1806010
3261, 3571	3/8"	2"	APKG1581570	APKG1601010	APKG1188270	APKG2081160	APKG1806010
3262, 3572	3/8"	3"	APKG1581590	APKG1601010	APKG1188270	APKG2081160	APKG1806010
3200, 3560	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
3201, 3561	5/16"	2"	APKG1582290	APKG1601010	APKG1188270	APKG2081160	APKG1806010
3202, 3562	5/16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
3205, 3565	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010

Stop Plate APKG2036010, ‘C’ Clip (APKG1270020)
For Quantity Content and Ordering Information, See the Price Book

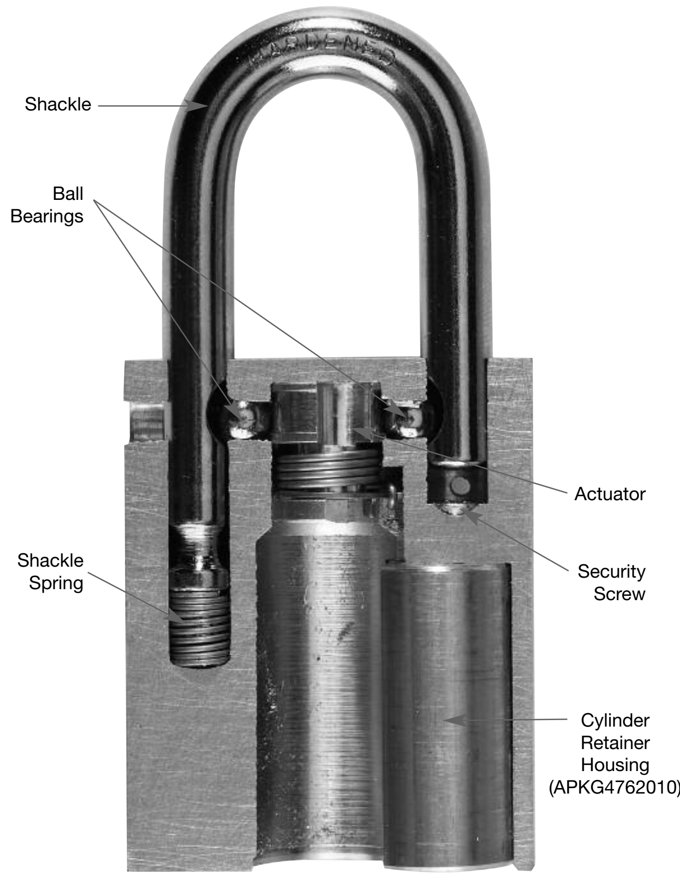
American Lock Series A3600 and A3700

Disassembly

- Unlock shackle
- Use a Phillips screwdriver to remove security screw
- Remove KEY ADVANTAGE cylinder or cylinder and housing
- Remove driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Install driver on cylinder
- Insert KEY ADVANTAGE cylinder or cylinder and housing
- Insert security screw
- Tighten security screw
- Check operation







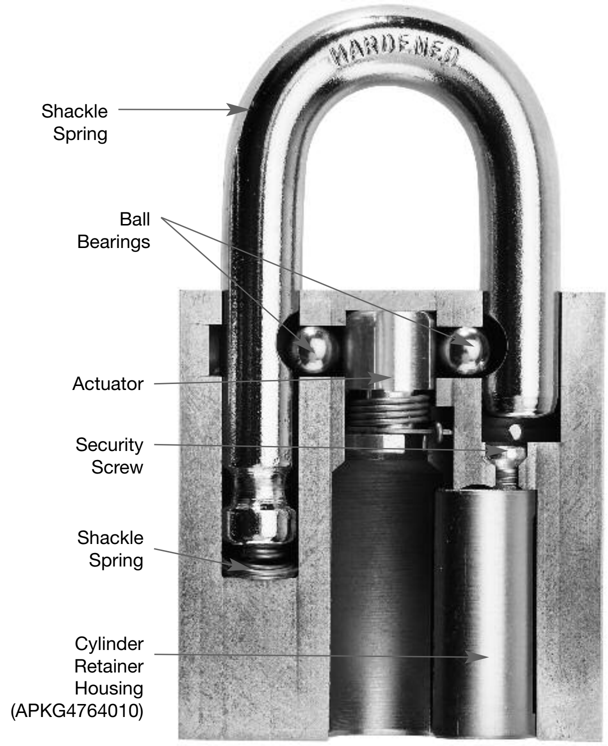
Model	Shackle			Shackle Spring	Actuator		Ball Bearings	Cylinder Housing
	Diameter	Length	Part No.		NKR	NRK		
A3600	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3601	5/16"	2"	APKG1582290	APKG1606010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3602	5/16"	3"	APKG1582310	APKG1606010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3605	5/16"	5"	APKG0000954	APKG1606010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3700	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3701	3/8"	2"	APKG1581570	APKG1611010	APKG1188280	A36DLRET	APKG1806010	APKG3013010
A3702	3/8"	3"	APKG1581590	APKG1611010	APKG1188280	A36DLRET	APKG1806010	APKG3013010

For Quantity Content and Ordering Information, See the Price Book
For Driver Part Numbers, See Page 23
For KEY ADVANTAGE Cylinder Use A, K, S or Y as a Suffix to Indicate Keyway.
For Trap Door Part Numbers, see page 32

American Lock Series A3800

Disassembly

- Unlock shackle
- Use a 1/8" hex wrench to remove security screw
- Remove cylinder and housing
- Remove driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring



Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Install driver on cylinder
- Insert cylinder and housing
- Insert security screw
- Tighten security screw
- Check operation





Model	Shackle			Shackle Spring	Actuator		Ball Bearings	Cylinder Housing
	Diameter	Length	Part No.		NKR	NRK		
A3800	7/16"	1-1/8"	APKG1582910	APKG1612010	APKG1188290	A38DLRET	APKG1807020	APKG3014020
A3801	7/16"	2"	APKG1582920	APKG1612010	APKG1188290	A38DLRET	APKG1807020	APKG3014020

For Quantity Content and Ordering Information, See the Price Book
For Driver Part Numbers See Page 23
For KEY ADVANTAGE Cylinder Use A, K, S or Y as a Suffix to Indicate Keyway
For Trap Door Part Numbers, see page 32

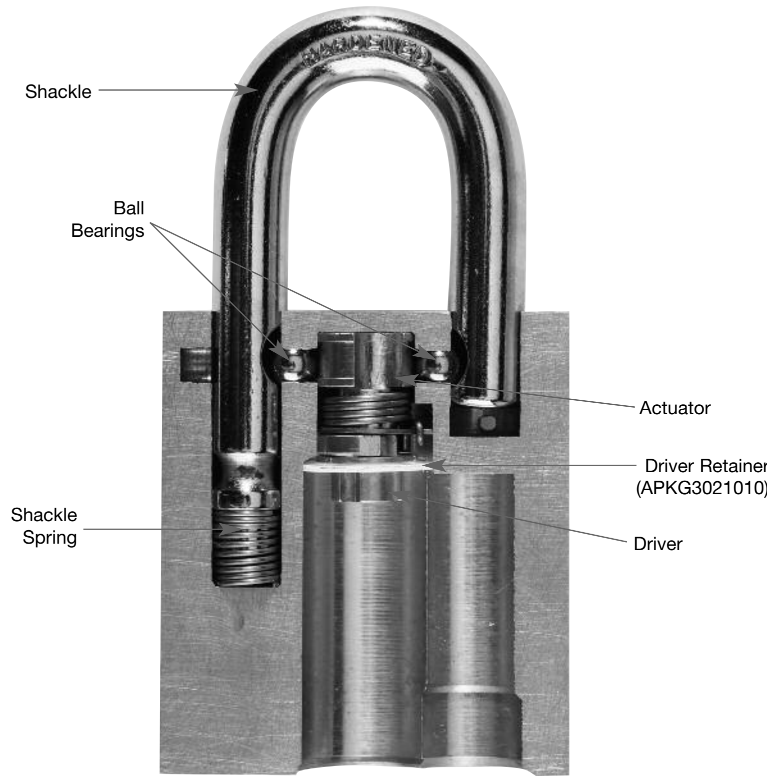
American Lock Series A3900 for Schlage LFIC

Disassembly

- Unlock shackle
- Use control key to remove LFIC
- Remove driver retainer and driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert driver and driver retainer
- Insert LFIC with control key
- Check operation





Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A3900S, A3900SWO	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188280	APK62081160	APKG1806010
A3901S, A3901SWO	3/8"	2"	APKG1581570	APKG1611010	APKG1188280	APK62081160	APKG1806010
A3902S, A3902SWO	3/8"	3"	APKG1581590	APKG1611010	APKG1188280	APK62081160	APKG1806010

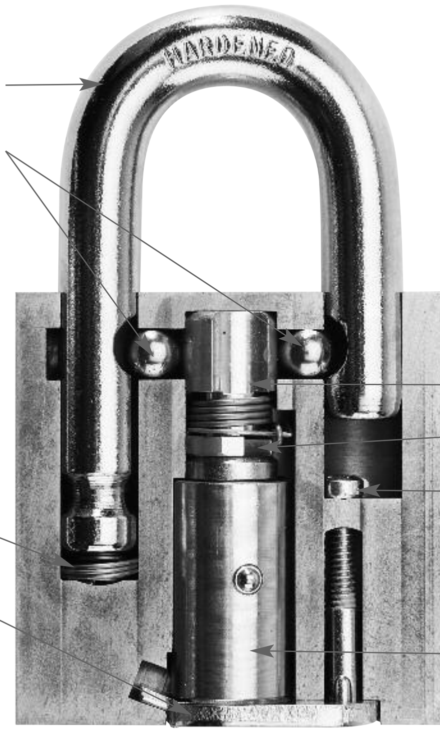
For Quantity Content and Ordering Information, See the Price Book

Disassembly

- Unlock shackle
- Use a Phillips screwdriver to remove security screw
- Remove security nut and trap door
- Remove cylinder and driver
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove shackle and spring

Assembly

- Insert shackle spring and shackle
- Insert ball bearings
- Insert actuator as shown
- Check operation with follower tool
- Insert cylinder with driver as shown
- Insert trap door
- Insert security nut and screw
- Tighten security screw
- Check operation







Model	Shackle			Shackle Spring	Actuator		Ball Bearings
	Diameter	Length	Part No.		NKR	NRK	
A7200	5/16"	1-1/8"	APKG1582240	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A7201	5/16"	2"	APKG1582290	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A7202	5/16"	3"	APKG1582310	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A7205	5/16"	5"	APKG0000954	APKG1606010	APKG1188270	APKG2081160	APKG1806010
A7260	3/8"	1-1/8"	APKG1581550	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A7261	3/8"	2"	APKG1581570	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A7262	3/8"	3"	APKG1581590	APKG1611010	APKG1188270	APKG2081160	APKG1806010
A7300	7/16"	1-1/8"	APKG1582910	APKG1612010	APKG2084100	APKG2081160	APKG1807020
A7301	7/16"	2"	APKG1582920	APKG1612010	APKG2084100	APKG2081160	APKG1807020

For Quantity Content and Ordering Information, See the Price Book
For Trap Door Part Numbers see page 32

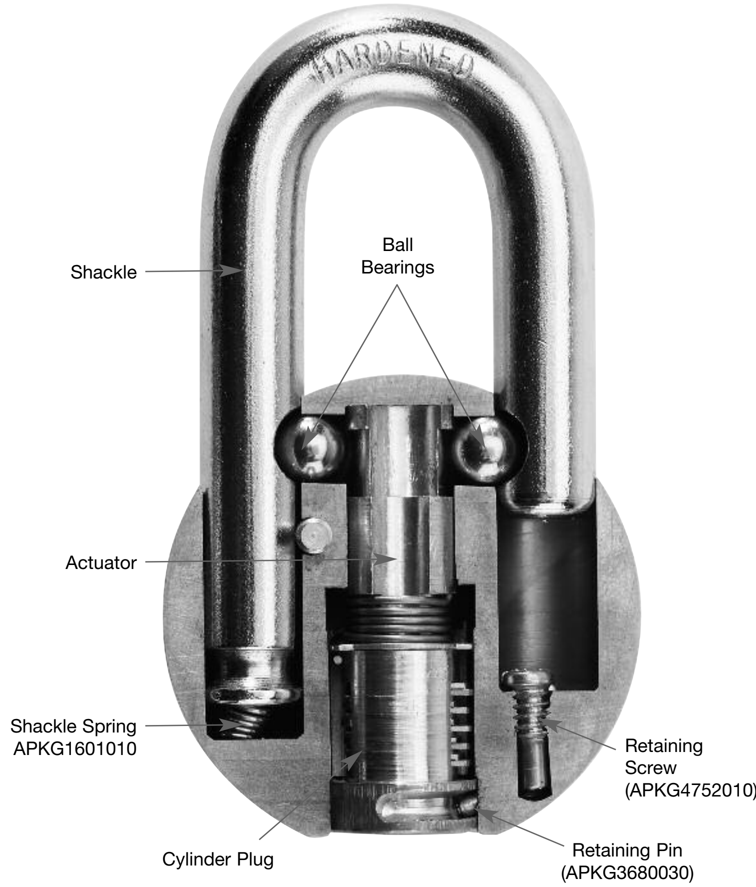
American Lock Series AH10

Disassembly

- Unlock shackle
- Use a flat tip screwdriver to remove security screw rap retaining pin from slot
- Remove security nut and trap door
- Remove cylinder plug
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove cylinder retaining pin
- Shackle cannot be removed without drilling pressed retaining pin

Assembly

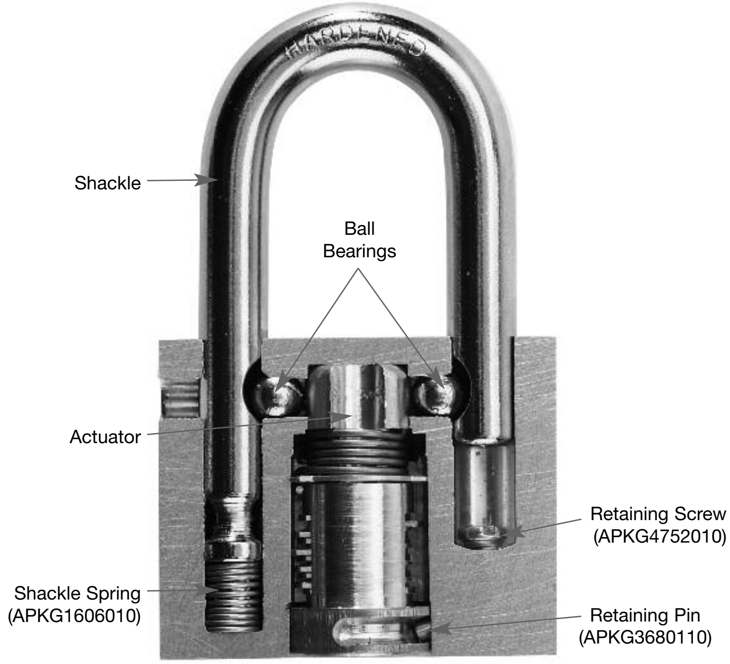
- Insert shackle spring and shackle if removed
- Insert shackle retaining pins
- Insert ball bearings
- Insert actuator as shown
- Insert cylinder plug and retaining pin
- Insert security screw
- Tighten security screw
- Check operation





Disassembly

- Unlock shackle
- Use a flat tip screwdriver to remove security screw
- Remove security nut and trap door
- Remove cylinder plug
- Place lock on flat surface and close shackle
- Actuator and ball bearings should fall out, if not, see page 20
- Remove cylinder retaining pin
- Shackle cannot be removed without drilling pressed retaining pin



Assembly

- Insert shackle spring and shackle if removed
- Insert shackle retaining pins
- Insert ball bearings
- Insert actuator as shown
- Check operation with cylinder plug
- Rap retaining pin into place
- Insert security screw
- Tighten security screw
- Check operation





Weatherbuilt™ Covers


Old New

All padlocks available in the 1000, 5000 and 6000 series bodies, (except 1105, 5530 and 6530), are now available with an environmentally protective cover by adding the modification code COV to the lock part number.

In addition to having the new environmental cover, those locks will have a different shackle with more clearance to allow it to swing free over the cover. You will also notice that as of August, 2006 American Lock keys will have a longer neck for the same reason. The standard keyway will be changed to the longer neck key at that time and other keyways will follow as needed.



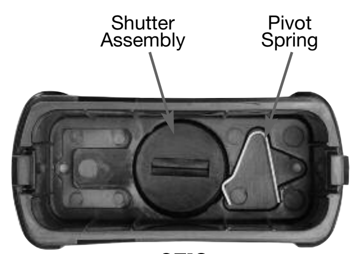
These new covers are designed to be fully serviceable. Unlike many other environmental covers for padlocks, these may be removed or even replaced if desired. As you can see here, the cover has two main components, the top and bottom halves. Within each of those halves there are another two components. Each half of the cover is designed to have a comfortable fit to the padlock body that still allows easy removal. In fact easy removal is especially important now that the lock can't effectively be serviced for rekeying without removing at least the bottom half of the cover.



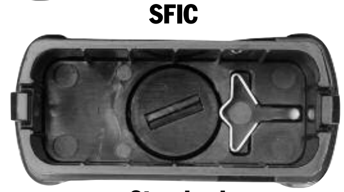
On each side of the cover there is a release vent. Use a small screwdriver to push inward on the high side of the bottom cover while pushing it away from the top cover. Once that side has separated, the other side separates very easily with the screwdriver to allow removal of the bottom cover.



The top half of the cover can typically be pulled up from the padlock body but cannot be removed without disassembly of the lock. There are two grommets in the shackle holes and they are designed to flex during use. This flexible design reduces undue friction against the shackle found in other environmental covers.



SFIC


Standard

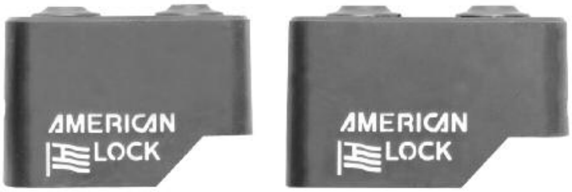
Inside the bottom of the cover you will see the shutter assembly and the pivot spring. The shutter assembly will be held in place by the two tabs shown here and if pried out of place will not likely fly apart. The pivot spring serves as a detent for the shutter assembly and must be removed before the shutter assembly and installed after. Unless you need to replace the shutter assembly there is no reason to remove it. A different pivot spring is used in each model. On the top at the right is the SFIC version and on the bottom is the standard version.



When replacing or installing the top half of the cover, the lock must be disassembled and the heel side of the shackle should be inserted in the side where the replica American Flag appears. Reassemble the lock and then snap the bottom half into place.

Weatherbuilt™ Covers (Continued)

1-3/4" 2"





SFIC



Standard

This cover is available in two sizes, one for 1-3/4” wide padlock bodies and the other for 2” wide padlock bodies. There are also two different height variations, one for standard padlock cylinders and another for SFIC padlock bodies. That difference is in the bottom half of the cover as you can see here.

The bottom of the covers does have a design that will help with key orientation. That difference is in the bottom half of the cover as you can see here. The bottom of the covers does have a design that will help with key orientation. The image on the top is the SFIC. The image on the bottom is the standard version.



SFIC



Standard

Retrofitting these covers to an existing lock requires a new longer shackle. Select from the list below.

Weatherbuilt™ Component Parts

Part Description		Standard Padlock Cylinder 1-3/4" Body 5/16" Shackle	Standard Padlock Cylinder 2" Body 3/8" Shackle	SFIC Cylinder 1-3/4" Body 5/16" Shackle	SFIC Cylinder 2" Body 3/8" Shackle
Top Cover Assembly		APKG0069402	APKG0069403	APKG0069402	APKG0069403
Bttom Cover Assembly		APKG0069404	APKG0069406	APKG0069405	APKG0069407
Grommet Only		APKG0056292	APKG0056297	APKG0056292	APKG0056297
Shutter Assembly w/Pivot Spring		APKG0070456	APKG0070456	APKG0070455	APKG0070455
Pivot Spring Only		APKG0056289	APKG0056289	APKG0068752	APKG0068752
3/4"	Shackle, Brass	APKG0056792	N/A	APKG0056792	N/A
1-1/8"	Shackle, Steel	APKG0056291	APKG0056296	APKG0056291	APKG0056296
1-1/8"	Shackle, Brass	N/A	APKG0056760	N/A	APKG0056760
1-1/8"	Shackle, Stainless	APKG0065435	APKG0065432	APKG0065435	APKG0065432
2"	Shackle, Steel	APKG006796	APKG0056761	APKG0056796	APKG0056761
2"	Shackle, Brass	N/A	APKG0056762	N/A	APKG0056762
2"	Shackle, Stainless	APKG0065436	APKG0065433	APKG0065436	APKG0065433
2-1/2"	Shackle, Brass	APKG0056794	N/A	APKG0056794	N/A
3"	Shackle, Steel	APKG0056797	APKG0056763	APKG0056797	APKG0056763
3"	Shackle, Brass	N/A	APKG0056764	N/A	APKG0056764
3"	Shackle, Stainless	APKG0065437	APKG0065434	APKG0065437	APKG0065434
5"	Shackle, Steel	APKG0056798	N/A	APKG0056798	N/A
5"	Shackle, Stainless	APKG0065438	N/A	APKG0065438	N/A

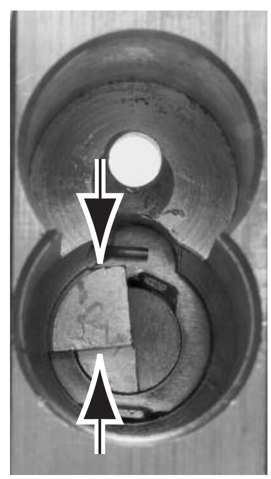
Note: Except Grommets and Pivot Springs which have 12 ea. in a package, all other parts above have 6 parts in each package ordered.

American Lock Actuators

For Lock Series	NKR Assembly	NRK Assembly	Stop Only
A700	APKG2029010	APKG2084090	N/A
A748	APKG1188300	APKG0000274	N/A
A780	N/A	APKG0000274	N/A
A790	N/A	APKG0000275	N/A
A1405	APKG1188270	APKG2081160	APKG2036010
A1105, A1205, A1305, A5530, A5560, A5570, A5100, A5200, A5260 A3105, A3200, A3260, A3560, A3570, A7200, A7260, A5300, A5360	APKG1188270	APKG2081160	N/A
A3600, A3700	APKG1188280	APKG36DLRET	APKG2036010
A3900	APKG1188280	APKG2081160	N/A
A3800	APKG1188290	APKG38DLRET	APKG2036010
A7300	APKG2084100	N/A	N/A
AH10	APKG1188010	APKG2083060	N/A
AL50	APKG1188030	APKG2083070	N/A

If your American Lock actuator and ball bearings do not fall out when the shackle is pushed back in place use the following procedure.

1. Using a following tool, unlock the shackle
2. With the actuator in the position shown, grab the pie shaped part using needle nose pliers or a hemostat where shown, DO NOT grab the washer
3. Pull actuator from lock body



NKR				
	APKG1188010	APKG1188030	APKG1188270	APKG1188280
				
	APKG1188290	APKG1188300	APKG2029010	APKG2084100
NRK				
	APKG0000274	APKG0000275	APKG2081160	APKG2083060
				
	APKG2083070	APKG2084090	A36DLRET	A38DLRET

American Lock Actuators for Master Lock Cylinders

American Lock Cylinders and Master Lock cylinders have a different end configuration and as a consequence require different actuators. The next table indicates which actuator is required to put a Master Lock six pin length cylinder into the American Lock series indicated. Also note that because of the different orientation of the cylinder end, the anti-bypass plate isn't required with the Master Lock cylinders and a 'K' type trap door is also required.

Actuator	Non Key Retaining (NKR)		Non Removable Key (NRK)	
				
Lock #	**APKG0001666**	**APKG0001669**	**APKG0001667**	**APKG0001670**
A700	X			
A700DL			X	
A1000, A5000, A6000		X		
A1000DL, A5000DL, A6000DL				X

Date Coding

Most American Lock bodies are stamped with a date code to indicate when the lock body was made. Generally the lock was assembled during the same month. The illustration below shows how to translate this date code. Note that only the first three of four characters stamped on the lock body are part of the date code.

Month

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Z	Y	X	W	V	U	T	S	R	Q	P	O

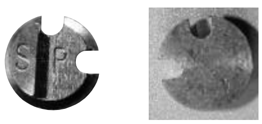
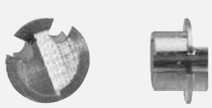
Year

1	2	3	4	5	6	7	8	9	0
N	M	L	K	J	I	H	G	F	E

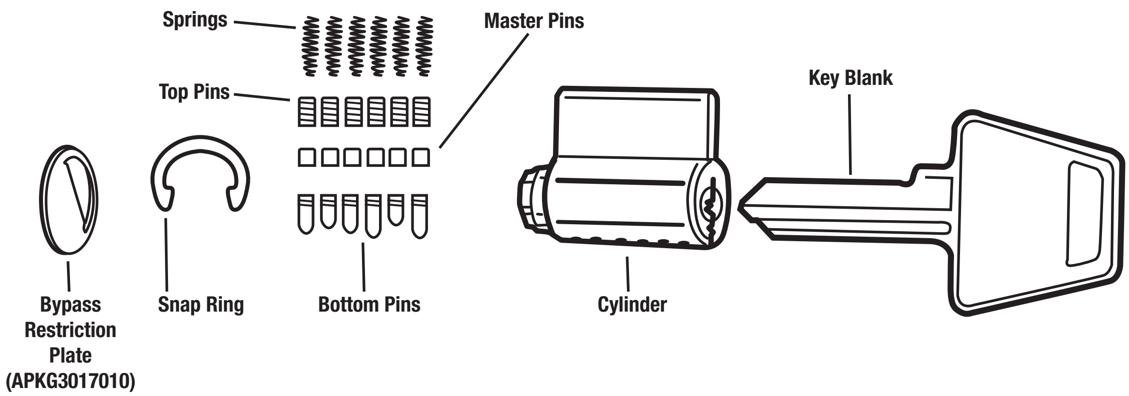
Month	Year
X	H J x
March	1975

American Lock Drivers

Some cylinders that can be used in American locks do not have a plug end designed to interface with the American Lock actuator. To overcome that problem an extra part called a driver is needed to adapt the cylinder. The table below specifies the correct driver to be used with different lock body series and different types of cylinders.

	Part Number	Used in Locks	Use Notes
	ADRSCH6	A3600, A3700, A3800	Schlage or any 100% copy
	ADRMED6	A3600, A3700, A3800	Medeco 20 series
	ADRLOR30	A3600, A3700, A3800	Lori 1530
	ADRLOR39	A3600, A3700, A3800	Lori 1539
	ADRVAR36	A3600, A3700, A3800	Assortment of Schlage, Medeco and Lori 1539
	APKG0000048	A3100, A3200, A3500	Requires SFIC
	APKG0001133	A1405	Yale 1220 LFIC
	APKG3020010	A3900	Schlage LFIC
	APKG4949200	A7000 series	Use only HTC2

Pin Tumbler Padlock Cylinder



There is a special cylinder used in the 5200GL. It has 5 pins in it and it is only 5 pins in length, the part number is APTC15.

The cylinder above is the standard pin tumbler padlock cylinder APTC14. When ordered with the part number APTC12 it is supplied with 5 pin tumblers and when ordered as part number APTC14 it will have 6 pin tumblers. Both sizes may be ordered with stainless steel pins by using the part number suffix ‘S’. There is a special keyway used in the A748 lock and to get that keyway use part number APTC748 for a 6 pin cylinder. In all cases above, adding the suffix ‘KZ’ to the part number will get a zero bitted cylinder.

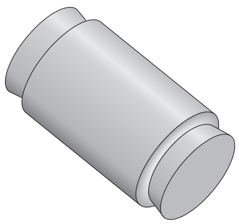
# Pins	Keyway	KD	Zero Bitted	Stainless Steel Pins
5	STD	APTC12	APTC12KZ	APTC12S
6	STD	APTC14	APTC14KZ	APTC14S
6	748	APTC748	APTC748KZ	APTC748



The APT2001 is supplied with shackle attached. Shackle removal is accomplished by removing the roll pin at the end of the cylinder.

Servicing the BumpStop® Mechanism

Cylinders containing the BumpStop® mechanism pin have one different component than standard cylinders and may be rekeyed when required. That one different component is the BumpStop™ top pin. It is longer than a typical top pin and will only let the cylinder operate correctly when it is placed in a correct pin chamber.



The table below indicates where the BumpStop® pin may be used in the different types of locks. The letter X in the table indicates a cut depth that isn't available in the product or a cut depth that isn't compatible with the BumpStop® pin.

When rekeying you need to figure out which pin chamber has the BumpStop® pin in it and be sure to change where it is for the new combination of the new key.

For example, if you have a cylinder that was keyed to the combination 42645, the BumpStop® pin would be in the second pin chamber. If your new key has a combination of 54624, you would need to move the BumpStop® pin in the cylinder from the second to the fourth pin chamber.

Cut #	Master Doorlock	Master Padlock	Padlock KIK	American Padlock
0	X	BUMP STOP	BUMP STOP	X
1	BUMP STOP	BUMP STOP	BUMP STOP	BUMP STOP
2	BUMP STOP	BUMP STOP	BUMP STOP	BUMP STOP
3	BUMP STOP	X	X	BUMP STOP

Failure to move the pin will certainly make the cylinder vulnerable to a Bump Key attack and may make it impossible to even insert some cut keys because of the extra length of the BumpStop® driver pin.

Dump The Bump Pin

A good practice when keying a cylinder with BumpStop® technology is to always dump the Bump Pin. That way when you rekey it you can always put it into a valid location.

For more information on BumpStop®, please visit www.bumpstopsecurity.com.

American Lock Interchangeable Cores

The Interchangeable Core cylinders are constructed to the SFIC standards that you encounter with many other brands. Keying uses the same techniques employed for those cylinders.

American Lock offers IC cylinders keyed to existing key systems if you are able to supply the combinations for the operating key, the TMK (Top Master Key), and the Control key. American Lock also has the ability to recreate your entire key system, including all potential expansion, if you can supply bitting combinations of all keys that have been used.

At present, American Lock offers IC cylinders compatible with the A2 and A4 format from the factory. If you are equipped for pinning SFIC cylinders, you can key the cylinders into an existing A3 system without difficulty. The listing below allows construction of a correct SFIC cylinder part number when ordering from Master Lock.

ORDERING INFORMATION

Interchangeable Cores

ACA604KD

Interchangeable Core

Keyway/Key Section

Manufacturer's Brand Name
A – Best A Keyway
B – Best B Keyway
C – Best C Keyway
D – Best D Keyway
E – Best E Keyway
F – Best F Keyway
G – Best G Keyway
H – Best H Keyway
J – Best J Keyway
K – Best K Keyway
L – Best L Keyway
M – Best M Keyway
Q – Best Q Keyway
W – Arrow 1C Keyway
X – Arrow 1D Keyway
Y – Master Lock Keyway

Number of pins

6 – six
7 – seven

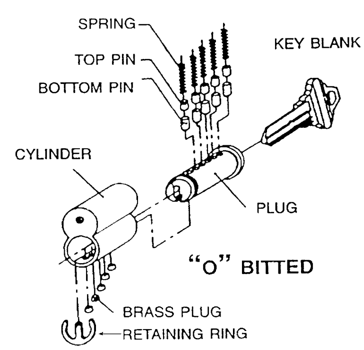
Finish

04 – Satin Brass
26D – Satin Chrome

Keying Specification
KD – Keyed Different
KA – Keyed Alike
UN – Uncombinated
KDMK – KD Master Keyed
KAMK – KA Master keyed

American Lock Door Hardware Multi-Cylinders

Two different types of cylinders can be used in the 3600, 3700 and 3800 series locks to make them compatible with Door Hardware keys. The first type is our Key Advantage cylinder. It is a cylinder with a figure 8 shell but it is not an Interchangeable Core. Three different keyways are available and may be specified to be supplied with the padlock body by adding a single letter suffix to the part number. Those are;



A3600**K = Kwikset standard keyway**

A3600**S = Schlage C standard keyway**

A3600**Y = Yale standard E1R (8) keyway**

Rekeying of these cylinders must be accomplished with a follower as they are blind drilled and the holes are plugged at the bottom of the keyway. These cylinders are available
5-pin zero-bitted with 6-pin capacity.

American Lock Edge™ Key Control Cylinders

Something new in the rim, mortise and cylindrical product is the patent-pending key control keyways. They are available for the rim, mortise and KIK cylinder types. The virtual keyway must be specified when ordering. The diagram below may be used to configure a part number from all of the different options.

ORDERING INFORMATION

Rim, Mortise and Cylindrical

A X XXX XXX XXX XXX XXX

American Lock Indicator

Cylinder Type
D=Key-in-Knob
M=Mortise
R=Rim

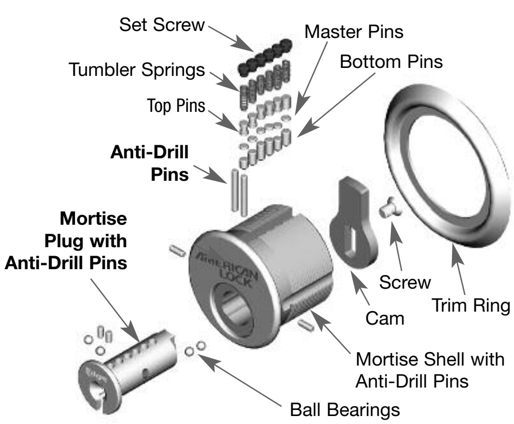
Length of Mortise
100=1" Length
112=1-1/8" Length
125=1-1/4" Length
Length of Rim
112=1-1/8" Length
Key-in-Knob Cylinders
200=Lori 1539 Compatible

Pin
WP4=4 Pin
WP6=6 Pin

Finish
03 = Bright Brass
26D = Satin Chrome
10B*=Satin Bronze, Dark Oxidized Oil Rubbed
*(Rim & Mortise Only)

Mortise Cams
AR1=Adams Rite® MS
YS1=Yale® Large
RC3=Corbin Russwin® Cloverleaf
FS1=Falcon® Standard
SS1=Schlage® Standard
YS2=Yale® Standard
Rim Tailpiece
FTP=Fixed Tailpiece
LTP=Lazy Tailpiece

Keying Options
UN=Uncombinated
KD=Keyed Different
KA=Keyed Alike
MK=Keyed Different, Master Keyed
KAMK=Keyed Alike, Master Keyed



These key control cylinders are known as the Edge™ mechanism and require a Master Lock 291 pinning kit to service. That kit has spare ball bearings in it along with the stainless steel springs required for the Edge™ products. (The springs in the American Lock pinning kit have not been tested to BHMA standards in this product.)

The Edge™ system rim, mortise and KIK cylinders have the same .397" plug diameter found in the Master padlock cylinders, but the plug heads and shell OD have been enlarged to match traditional door hardware cylinder sizes. Because of the potential to interfere with the ball bearing mechanism, the mortise cylinder uses a single screw to mount the cam. There are six different cams available for the mortise lock and different tailpieces for the rim and KIK. (see table, page 28)

American Lock Edge™ System Master Keying

The Edge™ System products require application of one important rule regarding key system development. Number one master pins cannot be used in any Edge™ cylinder. Those cylinders each have two slots in the shell for the ball bearings and if a number one master pin in the plug falls into one of those slots it will jam the cylinder preventing further rotation of the plug or withdrawal of the key.

If you do not have the capability to produce keying systems that have eliminated the need for number one master pins, American Lock will generate a system for you with up to four levels of keying and a total of 20,000 CK's in the system for a six pin cylinder. American Lock has a flat fee for this service but you must realize that a copy of the key system will not be retained by American Lock. A pinning matrix is also supplied with the keying system on a CD_ROM.

American Lock KIK Cylinders

We are now are offering KIK cylinders with a wide range of keyways. Our part numbering system for these products can be found below. Please consult the American Lock Price Book (A-001) for available pin options by cylinder.

ORDERING INFORMATION

KIK Cylinders

The diagram below may be used to configure a KIK part number for all of the different options.

AD045KD

Door Hardware Cylinder — D

Keyway — 04

Manufacturer's Brand Name

Arrow	10	Sargent RA-RC*	70
Corbin 59A1-2	01	Schlage C	04
Corbin 60	29	Schlage E	34
Corbin Russwin L4	07	Schlage P	28
Kwikset*	12	Weiser/Falcon*	13
Lockwood	08	Yale 8	03
Russwin 981/852	11	Yale GA	15
Russwin D1	30	American Lock Edge™** Key Control System (Available with 4 or 6 pins only)	200WP
Sargent LA-LC*	36		

Number of pins — 5
- 4 – four**
- 5 – five
- 6 – six

Keying Specification — KD

KD	–	Keyed Different
KA	–	Keyed Alike
KZ	–	Zero Bitted
KDMK	–	KD Master Keyed
KAMK	–	KA Masker keyed
UN	–	Uncombinated**

* Indicates a composite keyway
** Exclusively available for Edge™ Key Control System only

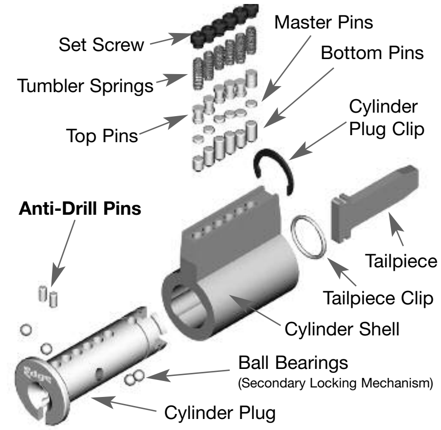
The door hardware cylinders are rekeyable using standard .115" diameter pins. The plug is mounted to the shell with a ring retainer, and use of a follower is recommended for rekeying. In order to mount the cylinders in the lock, a cylinder retainer plug is placed over the bible of the cylinder. The retainer plug has a threaded hole used to mount it to the lock via the toe side shackle hole and the socket screw. This cylinder also requires a special driver to be placed between the cylinder tail and the lock actuator in order to function.

American Lock Cylinders **(Continued)**

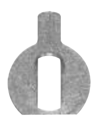
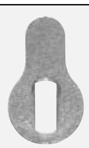
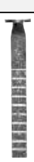
Door Hardware Component Parts

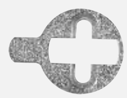
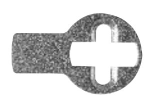
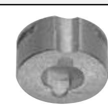
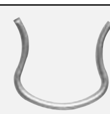
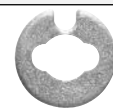
All door hardware compatible plugs have hardened inserts to protect the shear line from drilling. The mortise and rim shells also have hardened inserts to protect the shear line and mounting points and were subjected to and passed the UL437 test for drilling. They also have set screws to cap the pin chambers for comb attack resistance.

Rekeying may be accomplished by removing the set screws at the top of each pin chamber or with the use of an American Lock Edge™ follower (APKG0060612) and standard rekeying techniques. See the Catalog for further model and pricing information.



Component Parts

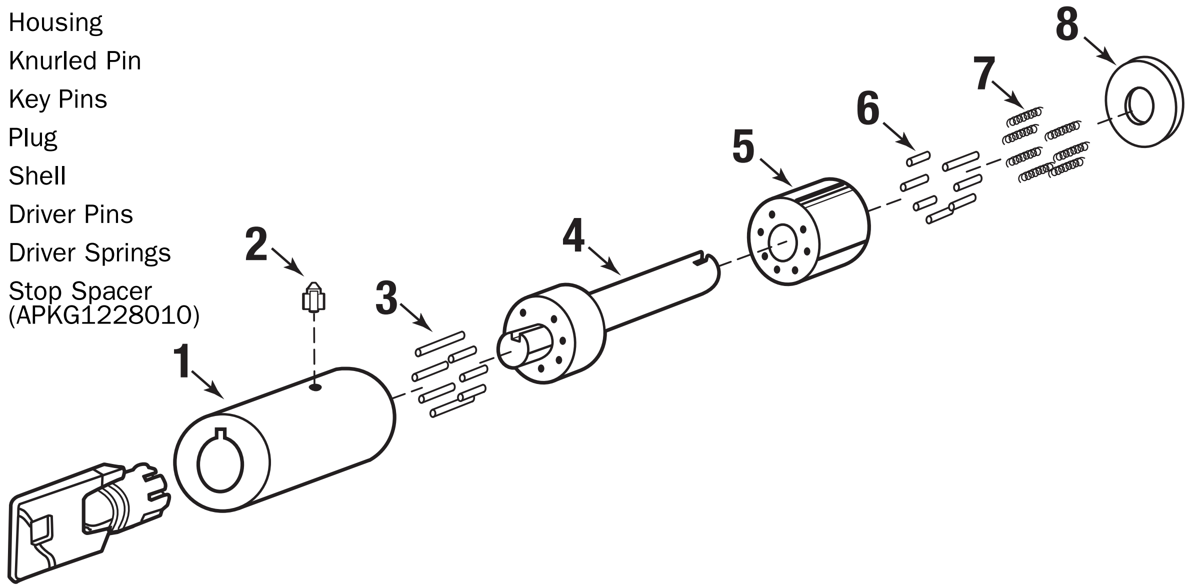
Edge™ Rim and Mortise			
	Part Number	Quantity in Package	Cylinder Component Code
	APKG0049804	10	AR1
	APKG0049806	10	FS1
	APKG0049805	10	RC3
	APKG0049807	10	SS1
	APKG0049809	10	YS1
	APKG0049808	10	YS2
	APKG0049969	10	FTP
	APKG0049970	10	LTP

Standard Rim and Mortise			
	Part Number	Quantity in Package	Cylinder Component Code
	APKG1270960	10	AR1
	APKG1270970	10	AR4
	APKG1270980	10	RC3
	APKG1270950	10	YS2
	APKG1270820	10	RT1
	APKG0049967	10	N/A
	APKG0049968	10	N/A
	APKG0049971	10	N/A
	APKG0056303	10	N/A
	APKG0049966	10	N/A
	APKG0056302	10	N/A

American Lock Cylinders

Tubular Key Padlock Cylinders

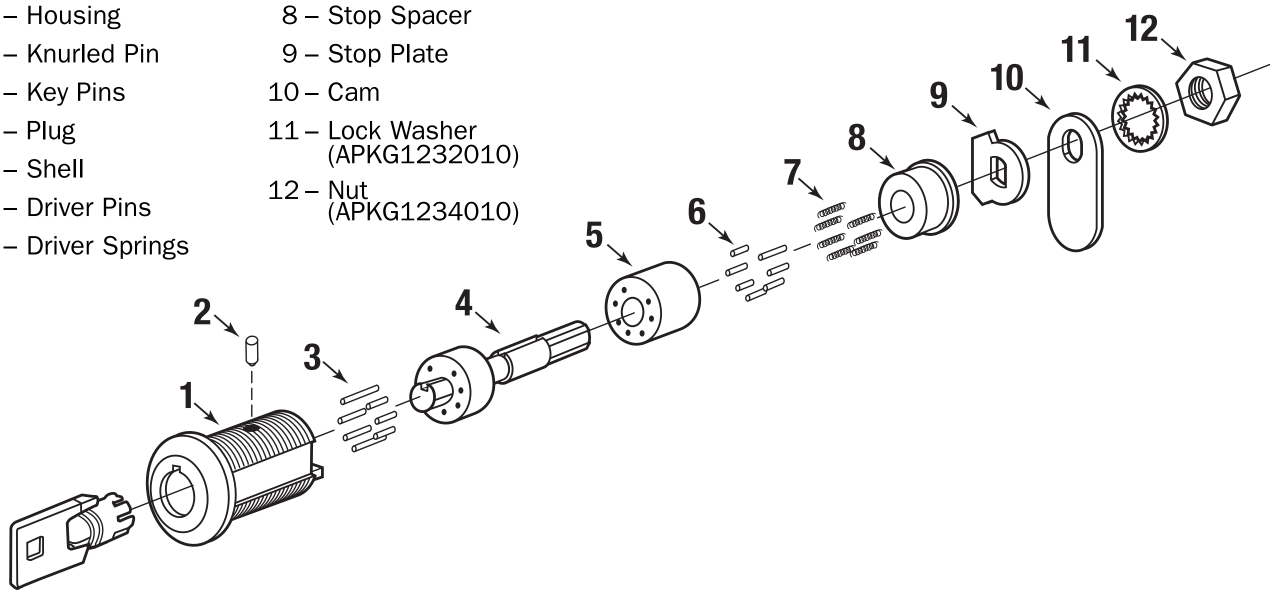
1 – Housing
2 – Knurled Pin
3 – Key Pins
4 – Plug
5 – Shell
6 – Driver Pins
7 – Driver Springs
8 – Stop Spacer (APKG1228010)



The AHTC2 is for use in the A7000 series tubular padlocks only. But may be KA with the A8000 series cam lock shown below.

Tubular Key Cam Lock Cylinders

1 – Housing
2 – Knurled Pin
3 – Key Pins
4 – Plug
5 – Shell
6 – Driver Pins
7 – Driver Springs
8 – Stop Spacer
9 – Stop Plate
10 – Cam
11 – Lock Washer (APKG1232010)
12 – Nut (APKG1234010)



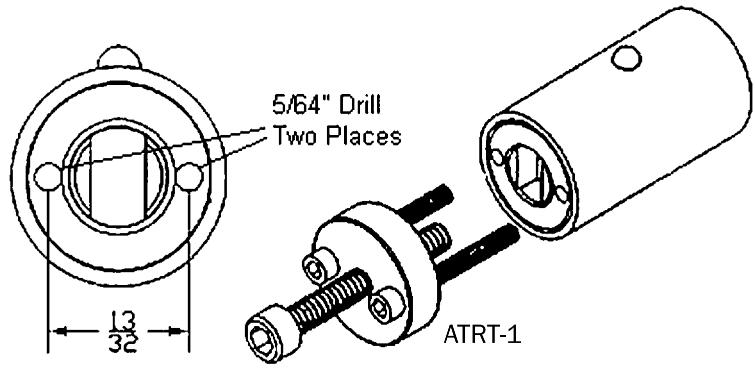
Tubular cylinder assembly places the plug inside the shell and then that sub assembly is placed inside the housing. The housing and shell have a receptacle for a knurled pin to be pressed into place. In the padlock cylinder that pin protrudes and acts as a locator for the cylinder in the padlock body. In the cam lock it is below the threads so it doesn't interfere with the mounting nut. This pin is hardened and should never be removed.

The knurled Stop spacer in both locks is pressed into place in the end of the housing and requires a puller to be used to disassemble the cylinder for rekeying.

Tubular Servicing

To use the ATRT-1 puller;

1. Drill 2 holes with a 5/64" diameter. They should be 1/16" to 3/32" deep as shown above.
2. Retract the center screw of the puller and place tool over the back of the lock.
3. Thread both side screws into the holes drilled into the stop spacer. Use a hex wrench and turn each screw at least 3 turns into the drilled holes.



4. Tighten the center screw until the stop spacer has been pulled from the housing.
5. Remove the tool from the stop spacer and the spacer may be reused by pressing it back into the housing.

An extra shell is supplied in the keying kit to assist in loading pins and springs. If the extra shell is placed on the plug shaft and aligned with each pin chamber it is much easier to load new tumbler pins and springs. Once the new pins and springs have been loaded, remove the extra shell and insert the knurled stop spacer into the housing.

Tumbler pins for tubular cylinders have a .078"/.079" diameter. The Key Pins come in seven different lengths and each length must be used with a specific sized Driver Pin to prevent crushing springs in the cylinder. See chart at Right.

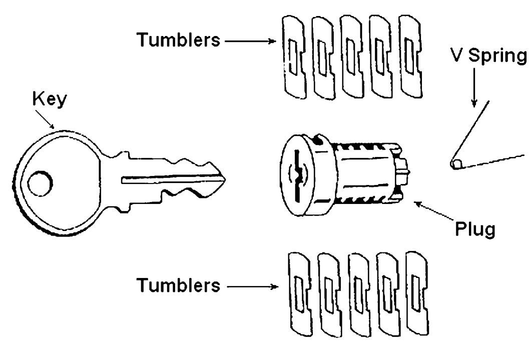
KEY PIN			DRIVER PIN	
Size	Length		Size	Length
1	.2035"	→	5	.200"
2	.2190"	→	5	.200"
3	.2345"	→	4	.185"
4	.2500	→	3	.170"
5	.2655"	→	2	.155"
6	.2810"	→	1	.140"
7	.2965"	→	1	.140"

Disc Tumbler Cylinder Plug

The disc tumbler padlock uses a double bitted waveform key. While it is possible to rekey a disc tumbler plug with the parts included in the service kit we recommend ordering keyed plugs from the factory by code.

If you do want to attempt rekeying, follow this process;

1. Remove existing V-spring and tumblers.
2. Insert new tumblers, (5 sets of 2 each), and V-spring.
3. Insert new operating key, being sure it is fully inserted.
4. Using a hole saw, file or grinder, remove excess material from disc tumblers until they are flush with the outside diameter of the plug. Be sure not to change the shape or diameter of the plug during this process.



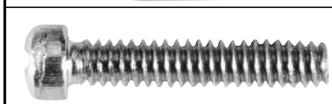
Replacement cylinders may be ordered with two different keying specifications, Coded and Uncoded. If you want coded plugs order the correct keyway and specify the code that should operate if you want a particular key, otherwise just use these part numbers;

Coded - ABTC1A, ABTC1B, ABTC1C, ABTC1E

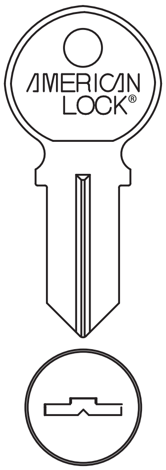
Uncoded – ABTC1KZA, ABTC1KZB, ABTC1KZC, ABTC1KZE

American Lock Retainers & Trap Doors

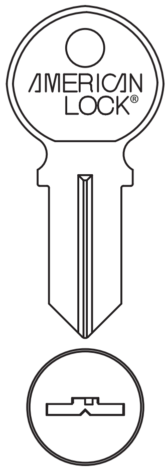
The trap door is an essential element in providing security for the cylinder in your American lock. The orientation of the trap door is slightly different based upon the keyway in the cylinder. The table below indicates the part number of the trap door that should be used in a lock when a particular keyway is used in that same lock. The picture in the table is how the trap door would appear from the bottom of the lock.

Picture	Used on Locks	with Keyways	Part Number
	All models requiring a trap door except those listed in the table below	STD, R1, R2	APKG4680210
	Stainless Steel All models requiring a trap door except those listed in the table below	STD, R1, R2	APKG0110026
	All models requiring a trap door except those listed in the table below	R7, R8, MLC Keyways and ALC Edge™	APKG4680220
	Stainless Steel All models requiring a trap door except those listed in the table below	R7, R8, MLC Keyways and ALC Edge™	APKG0P10774
	A700	STD, R1, R2	APKG4680200
	A700	R7, R8, MLC Keyways and ALC Edge™	APKG4680230
	A748, A780, A790	748, STD, R1, R2	APKG4680260
	A748, A780, A790	R7, R8, MLC Keyways and ALC Edge™	APKG4680270
	All 7000 Series	All	APKG4680240
	All Except 3000 Series	All	APKG4761010
	Stainless Steel – All Except 3000 Series	All	APKG0110028
	All Except 3000 Series	All	APKG4746010
	Stainless Steel – All Except 3000 Series	All	APKG0110027

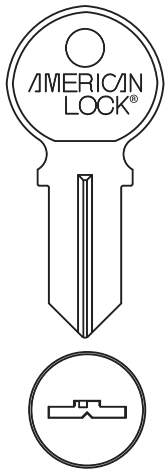
RESTRICTED



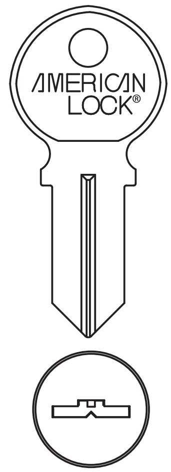
AKBBOX



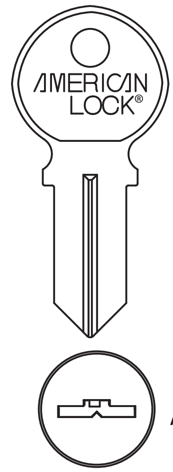
AKBWRABOX



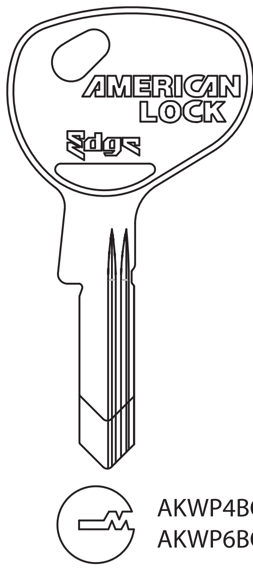
AKBWRBBOX



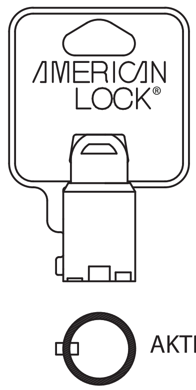
AKBWRCBOX



AKBWREBOX

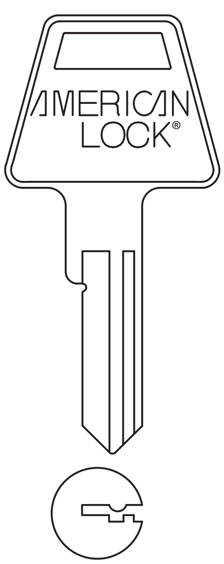


AKWP4BOX
AKWP6BOX

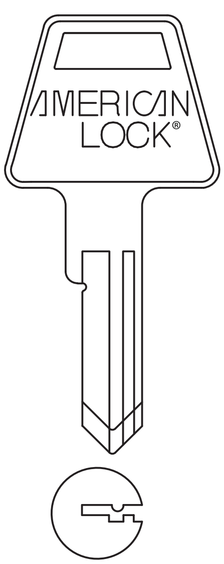


AKTBOX

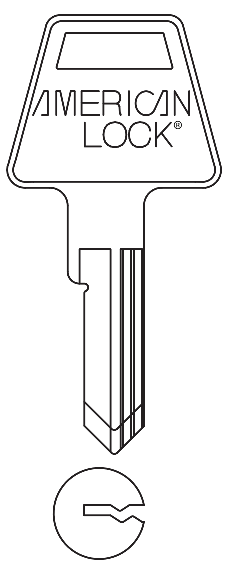
RESTRICTED



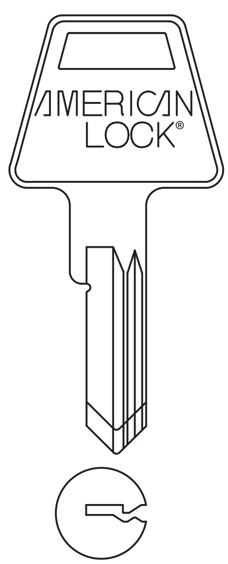
AKW748BOX



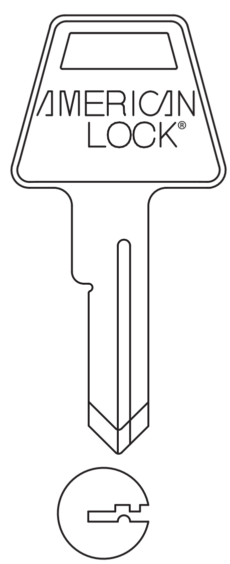
AK5BOX
AK6BOX



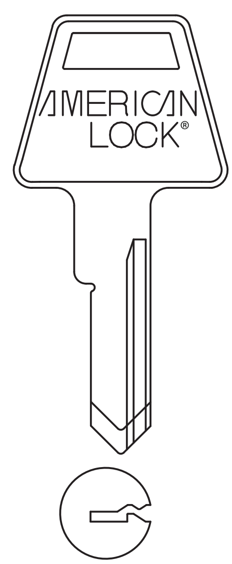
AK5WR1BOX
AK6WR1BOX



AK5WR2BOX
AK6WR2BOX



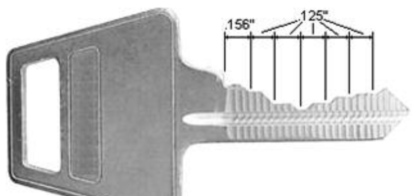
AK5WR7BOX
AK6WR7BOX



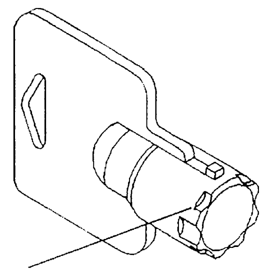
AK5WR8BOX
AK6WR8BOX

American Lock Bitting Specifications

All American Lock keys use the same spacing and depth specifications as shown here.



Cut Root Depth
1 = .2840"
2 = .2684"
3 = .2528"
4 = .2372"
5 = .2215"
6 = .2059"
7 = .1903"
8 = .1747"



Cut Number	Depth
1	.0155"
2	.0310"
3	.0465"
4	.0620"
5	.0775"
6	.0930"
7	.1085"

Spacing: 1st cut center = .156" - Center to center = .125"

Lock Lubricants

Master Lock Lock Lubricant can be used for lubricating the various lock components. The lubricants contain PTFE formulations that can be used for padlocks, door locks, automotive, marine, and multipurpose applications. The effective operating temperature range is -40°F to 500°F and helps de-ice pre-lubricated locks.

Two aerosol sizes are available that contain a “dry” lubricant formula that lubricates without collecting dirt or dust. The 2305 aerosol is a 5.25 oz. size convenient for carrying to jobs and the 2311 aerosol is an 11 oz. size ideal for keeping in the shop.



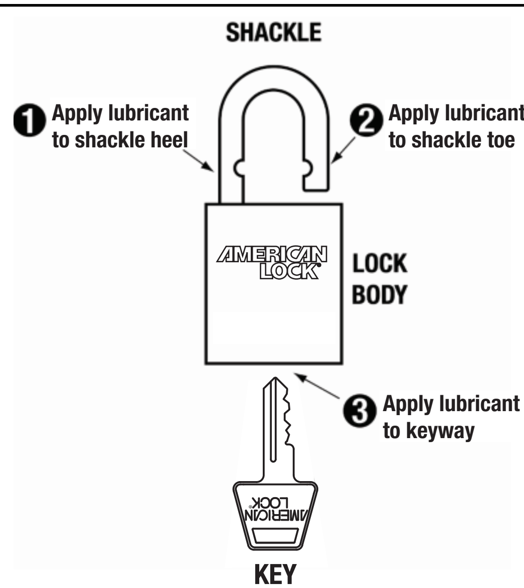
2311 2305

Recommended Padlock Cleaning & Lubrication

Over time, dust particles and chemicals in the air settle on and in the padlock. They can then create friction inside the precision locking and keying components and impede the opening and closing of the padlock. Annual cleaning is recommended. In particularly dusty or corrosive environments, clean every three months.

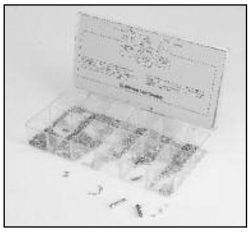
Recommended Directions:

- Flush grease and dirt from the padlock as needed.
- Apply Master Lock® Lock Lubricant to the keyway and shackle holes, using a very light spray. “Psst”, not “Pssssssssssssssst”!
- Insert key, open and close padlock several times to distribute lubricant.



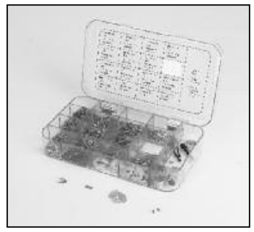
Average number of times opened per day	Dry Lubricant Application Schedule (Normal Environment)
1 to 50	Once per year
51 to 100	Twice per year

Service Kits



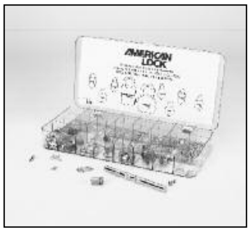
APK-1 Pin Kit

100 ea. Bottom pins 1 through 8
100 ea. Top pins
10 ea. Driver springs
5 ea. Security screws
5 ea. Security nuts



ATCR3 Tubular Keying Kit

100 ea. Key pins
100 ea. Driver pins
100 ea. Springs
10 ea. 180° Stop plates
10 ea. 90° Stop plates
1 ea. Shell
1 ea. ATRT-1 rekeying tool
1 ea. Depth key



ASK-8 Pin Kit

100 ea. Bottom pins 1 through 8
100 ea. Master pins 2 through 7
100 ea. Top pins
100 ea. Driver springs
12 ea. (Small) A5000 series ball bearings
12 ea. (Large) A700 series ball bearings
25 ea. Security screws
25 ea. Security nuts
2 ea. Trap doors for A700 series locks
4 ea. Trap doors for A5000 series locks
1 ea. American Lock Co. 6 pin cylinder
2 ea. Actuators for A700 series locks
4 ea. Actuators for A5000 series locks
1 ea. American Lock Co. 5 pin cylinder
10 ea. Snap rings
1 ea. Follower tool



AALSK-18 Disc Tumbler Service Kit

25 ea. AL50 cylinder retaining pins
25 ea. AH10 cylinder retaining pins
25 ea. Cylinder Retaining screws
10 ea. AL50 shackle springs
10 ea. AH10 shackle springs
100 ea. Brass disc tumblers
10 ea. Tumbler V-springs
10 ea. Ball bearings, AL50 small size
10 ea. Ball bearings, AH10 large size
10 ea. AH10 knurled shackle pins
10 ea. AH10 retaining shackle pins
3 ea. Cylinder assemblies w/2 keys ea.
3 ea. AH10 Actuators
3 ea. AL50 Actuators



AMRAK1 Mortise and Rim, Cam, Clip and Ring Kit

36 ea. Space collars
24 ea. Mortise cams
18 ea. Trim rings
18 ea. Rim tailpieces
12 ea. Cylinder mounting plates
6 ea. Cam mounting screws

For Quantity Content and Ordering Information See the Price Book

AMERICAN LOCK
The Locksmith's Lock

American Lock Company
A Division of Master Lock Company LLC
Milwaukee, Wisconsin 53154
1-800-323-4568

www.americanlock.com